

**FREEZING AND THAWING OF BIOPHARMACEUTICAL PRODUCTS WITHIN A
VESSEL HAVING A DUAL-FLOW CONDUIT**

Abstract of the Disclosure

The present invention relates to a biopharmaceutical preservation system for cooling, thawing and freezing a medium. The biopharmaceutical preservation system includes a structure having has one or more heat transfer members placed inside a vessel. The structure includes a dual flow conduit adapted to be actively cooled using a fluid.